

I claim:

*Sub B  
D'*

1. A modular printing machine system for printing on sheets, including a first printing machine of satellite construction type having a central first impression cylinder and at least four printing devices assigned thereto, a second printing machine having a second impression cylinder, and a coupling device for coupling the printing machines to one another for in-line operation thereof, comprising a feeding device for transferring the sheets to the second impression cylinder, and at least one adjusting device assigned for register correction to said feeding device.

*Sub B*

2. The modular printing machine system according to claim 1, wherein said feeding device is a feed drum.

*Sub B*

3. The modular printing machine system as claimed in claim 1, wherein the first impression cylinder has at least one sensor assigned thereto for monitoring the position of a sheet transported by the first impression cylinder, and said feeding device has at least one further sensor assigned thereto for monitoring the position of the sheet to be transferred by said feeding device to the second impression cylinder of the second printing machine.

4. The modular printing machine system according to claim 3, wherein said at least one adjusting device serves for

adjusting the circumferential register of said feeding device, and said at least one sensor and said at least one further sensor are disposed for monitoring the position of a leading edge of the sheet and are linked via an electronic control device to said at least one adjusting device.

~~Claim 5~~  
5. The modular printing machine system according to claim 4, wherein, respectively, a single sensor disposed for monitoring the position of the leading edge of the sheet is assigned to the central first impression cylinder and to said feeding device, and each of two sensors is linked via said electronic control device, to said adjusting device serving to adjust the circumferential register of said feeding device.

6. The modular printing machine system according to claim 3, wherein, respectively, two sensors disposed for monitoring the position of the leading edge of the sheet are assigned to the central impression cylinder and to said feeding device, and each of four sensors is linked, via an electronic control device, to at least one of a plurality of said at least one adjusting device serving to adjust the diagonal register of said feeding device and of at least another of said plurality serving to adjust the circumferential register of the feed device.

7. The modular printing machine system according to claim 3, wherein said at least one sensor and said at least one further sensor are disposed for monitoring the position of a lateral edge of the sheet and are linked via an electronic control device to an adjusting device serving to adjust the lateral register of said feeding device.

~~Contact  
Sensors~~

8. The modular printing machine system according to claim 1, wherein said at least one sensor and said at least one further sensor are sensors for contact-free registering the position of the sheet.

9. The modular printing machine system according to claim 8, wherein said contact-free registering sensors are optically operating.

10. The modular printing machine system according to claim 3, including an incremental encoder for registering the machine angle of the first printing machine, which corresponds to the rotary angle position of the rotating first impression cylinder, said incremental encoder being linked to an electronic control device and, via said electronic control device, to said sensors.

11. The modular printing machine system according to claim 3, wherein the first printing machine includes a sheet delivery,

~~and said feeding device is disposed for accepting the sheet from a transport device, and said transport device is disposed for accepting the sheet from said sheet delivery.~~

12. A modular printing machine system for printing on sheets, including a first printing machine having a sheet feeder and being of satellite construction type with a central first impression cylinder and at least four printing devices assigned thereto, a second printing machine having a sheet delivery and a second impression cylinder, and a coupling device for coupling the printing machines to one another for in-line operation thereof, comprising a second impression cylinder in said second printing machine, the first impression cylinder of the first printing machine, and said second impression cylinder of the second printing machine being of different sizes.

13. A modular printing machine system according to claim 12, including a feeding device for transferring the sheets to the second impression cylinder, and at least one adjusting device assigned for register correction to said feeding device.

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*A3*  
*Add B2*